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This is the second publication in the fourth series of general bibliographies developed to disseminate information on documents analyzed at the ERIC Information Analysis Center for Science and Mathematics Education. Reported are some 132 citations of selected documents related to teacher education in science and mathematics education. The documents included represent research reports, research reviews, newsletters, textbooks, yearbooks, and other types. Citations are listed in alphabetical order by author and indicate source, availability, and major ideas of the document. This bibliography updates, but does not replace, the earlier bibliographies on teacher education (ED 015 879, ED 026 278, ED 032 441) produced by this Center. (LC)

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SCIENCE AND MATHEMATICS EDUCATION INFORMATION REPORT

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(4) UNIVERSITY OF WISCONSIN, MADISON, RESEARCH AND DEVELOPMENT CENTER
(5) EDRS
(6) ED 020 907 MF $0.25 HC $2.35
(7) 03 00 68 (8) 45
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1. SE 006 563
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24. SE 500 150
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JENKS, HOUSTON CARTER
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UNIVERSITY MICROFILMS, ANN ARBOR, MICHIGAN
ED 028 076 NOT AVAILABLE FROM EDRS
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JUDGE, H. G.
TEACHERS OF PHYSICS
PHYSICS EDUCATION
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*INTERNATIONAL EDUCATION, *PHYSICS, *SECONDARY SCHOOL SCIENCE, *SCIENTIFIC MANPOWER, *TEACHERS, ATTITUDES, EDUCATIONAL PHILOSOPHY, TEACHER RECRUITMENT

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KORAN, JOHN J., JR.
A DESIGN FOR PRE-SERVICE SCIENCE TEACHER EDUCATION
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KRIEGHBAUM, HILLIER
TO IMPROVE SECONDARY SCHOOL SCIENCE AND MATHEMATICS TEACHING
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KUSLAN, LOUIS I.; STONE, A. HARRIS
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LAVACH, JOHN FRANCIS
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MAYOR, JOHN R.
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MEDVE, RICHARD J.
TEACHER PREPARATION AND THE EXPECTED PRODUCT
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*PRESERVICE EDUCATION, *SCIENCE EDUCATION, *TEACHER EDUCATION, SCIENCE TEACHERS, STUDENT TEACHING, UNDERGRADUATE STUDY, BIOLOGICAL SCIENCES CURRICULUM STUDY

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MEDVE, RICHARD J.
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NEEDHAM, DOROTHY
A CCSS HAPPENING
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03 00 69 2
*ELEMENTARY SCHOOL SCIENCE, *INSERVICE EDUCATION, *OUTDOOR EDUCATION,*TEACHER EDUCATION, CONSERVATION EDUCATION, INSERVICE TEACHER EDUCATION

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SCIENCE CONTENT PREPARATION OF ELEMENTARY TEACHERS
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OLSTAD, ROGER G.
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UNIVERSITY MICROFILMS, ANN ARBOR, MICHIGAN
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RATHMAN, FRANK E.; ELIOT, JAMES
UNIT STUDENT TEACHING PROGRAM
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REDBURN, DENNIS BURTON
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ROYE, JAMES PAUL
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ARIZONA STATE UNIVERSITY, TEMPE
UNIVERSITY MICROFILMS, ANN ARBOR, MICHIGAN
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*COLLEGE SCIENCE, DOCTORAL THESES, *EDUCATIONAL PROGRAMS, INSERVICE EDUCATION, RESEARCH REPORTS, SCIENCE INSTITUTES, *TEACHER EDUCATION, *TEACHER CHARACTERISTICS, NATIONAL SCIENCE FOUNDATION, ARIZONA STATE UNIVERSITY

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SCHUBEL, J. R.
ABOARD THE RIDGELY WARFIELD, EARTH SCIENCE TEACHERS GO TO SEA
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SCHUBEL, J. R.; GARDNER, MARJORIE
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SIMENDINGER, ELIZABETH A.
OUR PRESIDENT SPEAKS OUT
SCIENCE AND CHILDREN
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*INSTRUCTIONAL MATERIALS, *OPINIONS, *TEACHER QUALIFICATIONS, ELEMENTARY SCHOOL SCIENCE, TEACHER EDUCATION

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PHYSICS EDUCATION
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STANG, GENEVIEVE ELAINE
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UNIVERSITY MICROFILMS, ANN ARBOR, MICHIGAN
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*ATTITUDES, DOCTORAL THESES, DISCOVERY LEARNING, *ELEMENTARY SCHOOL TEACHERS, *ELEMENTARY SCHOOL SCIENCE, *MICROTEACHING, PRESERVICE EDUCATION, RESEARCH REPORTS, *TEACHER CHARACTERISTICS, IOWA TEST OF EDUCATIONAL DEVELOPMENT

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*SCIENCE EDUCATION, *SCIENCE CONSULTANTS, *SCIENCE SUPERVISION, *SUPERVISION, CURRICULUM, EVALUATION, INSTRUCTION, PROGRAM DEVELOPMENT, PROGRAM DESIGN, SECONDARY SCHOOL SCIENCE, TEACHER EDUCATION, TEACHING METHODS

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WHITE, MARJORIE A.; AND OTHERS
A STUDY OF CONTRASTING PATTERNS OF INSERVICE EDUCATION
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*ELEMENTARY SCHOOL SCIENCE, *INSERVICE TEACHER EDUCATION, *PROGRAM EVALUATION, *TEACHER EDUCATION, ACADEMIC ACHIEVEMENT, COMPARATIVE ANALYSIS, TEACHER ATTITUDES, TEACHER BACKGROUND, AMERICAN ASSOCIATION FOR THE ADVANCEMENT OF SCIENCE, SCIENCE - A PROCESS APPROACH, 1969

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WILSON, HAROLD LEWIS
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BASIC PROGRAM PLAN FOR INSERVICE TEACHER EDUCATION
MICHIGAN-OHIO REGIONAL EDUCATIONAL LABORATORY, DETROIT
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ATTITUDES, BEHAVIORAL OBJECTIVES, *EDUCATIONAL PROGRAMS, *INSERVICE TEACHER EDUCATION, LEADERSHIP TRAINING, *PROGRAM DESCRIPTIONS, *TEACHER EDUCATION, TEACHER CHARACTERISTICS, TEACHER BEHAVIOR

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CHAOS IN SCIENCE TEACHER TRAINING
CHEMISTRY AND ENGINEERING
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85. SE 006 424
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ARNOLD, WILLIAM R.
THE PROSPECTIVE ELEMENTARY SCHOOL TEACHER AND MATHEMATICS METHODOLOGY
THE ARITHMETIC TEACHER
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BAIZ, VICTOR F.
SCIENCE-MATHEMATICS IMPROVEMENT PROJECT NEWSLETTER, VOLUME 2 NUMBER 3
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BUCKEYE, DONALD ANDRES
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